User:

Thursday, 08/05/2008 12:00:04 PM

Julie Lecocq

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

: 39126

Job Number : 10089 **Estimate Number**

P.O. Number

This Issue

Prsht Rev.

First Issue

Written By

Previous Run

: 08/05/2008

: 38995

: NC

: //

S.O. No. :

: PURCHASED PARTS Type

Material **Due Date**

Drawing Name

Part Number

Drawing Number

Project Number

Drawing Revision

: 20/05/2008

: BEARING

: D312123

: N/A

: E

: D3121 REV E

Qty:

Each

Checked & Approved By

Comment

: Est. A: 04.02.19

KJ/DS

Est Rev:B ECN 1060 07-11-12 DD verified by:EC

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

c208105/09

1.0

PG



PURCHASING

Comment: PURCHASING

Issue P/O: <u>633/</u>

Bearing as per Dwg D3121

Possible Supplier: SKF P/N: 61900-2Z or KML P/N: 6900-ZZ

Material release note is required

2.0

3.0

6900ZZ

Bearing



Comment: Qty.:

1.0000 Each(s)/Unit

Total:

20.0000 Each(s)



PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Receive & Inspect for Transit Damage Ensure Material Release Note is attached

4.0 QC6



Comment: DIMENSIONAL CHECK

Inspect diimensions as per Dwg D3121 and attached certfication Dwg Rev

5.0

PACKAGING 1

PACKAGING RESOURCE #1

Comment: PACKAGING RESOURCE #1

Identify and Stock Location: Sto

Dart Aerospace Ltd

W/O:			WC	RK ORDER CHANG	ES				
DATE	STEP	PR	OCEDURE CHAI	NGE	Ву	By Date Qty			Approval QC Inspector
Part No	:	PAR #:	Fault Categ	jory:	_ NCR: Yes	No DQ	A:	Date:	
					QA:	N/C Close	d:	Date: _	
NCR:			WORK ORDE	R NON-CONFORM	ANCE (NC	R)			
DATE	OTED	Description of NC			ion B	Verifi	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat	& Sect	ion C	Chief Eng	QC Inspector
					:			(

NOTE: Date & initial all entries

Date:

Thursday, 08/05/2008 12:00:05 PM

User:

Julie Lecocq

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BEARING

Job Number: 39126

Part Number: D312123

Job Number:



Seq. #:

Machine Or Operation:

Description:

6.0

QC21



Comment: FINAL INSPECTION/W/O RELEASE

FINAL INSPECTION/W/O RELEASE

08/05/14/

Job Completion



M 06.05.13

Dart Ae	rospace L	td							
W/O:			W	ORK ORDER CHANGES		- · · · - · · · · · · · · · · · · · · ·			
DATE	STEP	PRO	CEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cate	gory: NC				Date:	
NCR:		V	VORK ORD	ER NON-CONFORMANCI	E (NCR	2)			
		Description of NC		Corrective Action Section B		Verific	ration	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	1	on C	Chief Eng	QC Inspector
							:		

NOTE: Date & initial all entries



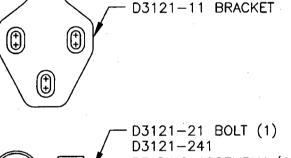
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	CHEC	(ED	APPROVED	DRAWING NO. REV. E D3121 SHEET 1 OF 10
	DATE			TITLE SCALE
-	07.1	1.07		BRACKET ASSEMBLY 1:2
	Α		02.04.15	NEW ISSUE
	В		03.01.16	ADD RIDGES; ADD MAT'L PROP; FIX P/N ADD -141/-143/-144/-145/-146
	С		04.02.17	ADD CLEARANCE; USE -241 BEARING
	D		06.05.17	D3121-25 CAP WAS 1.024, NOW 1.000
	Ε		07.11.07	ADD TOLERANCE TO 0.032 (DETAIL B)

RELEASED

D3121-21 BOLT (1) D3121-241 BEARING ASSEMBLY (1)

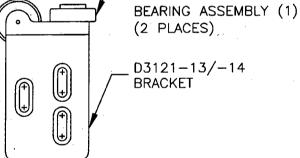
D3121-041 BRACKET ASSEMBLY

(REPLACES PREMIER P/N B30-23000-33)



D3121-043 (SHOWN) / D3121-044 (OPPOSITE)
BRACKET ASSEMBLY

(REPLACES PREMIER P/N B30-23000-37/-38)



D3121-21 BOLT (1) D3121-241 BEARING ASSEMBLY (1) (2 PLACES)

D3121-15/-16 BRACKET

D3121-045 (SHOWN) / D3121-046 (OPPOSITE)
BRACKET ASSEMBLY

(REPLACES PREMIER P/N B30-23000-35/-36)

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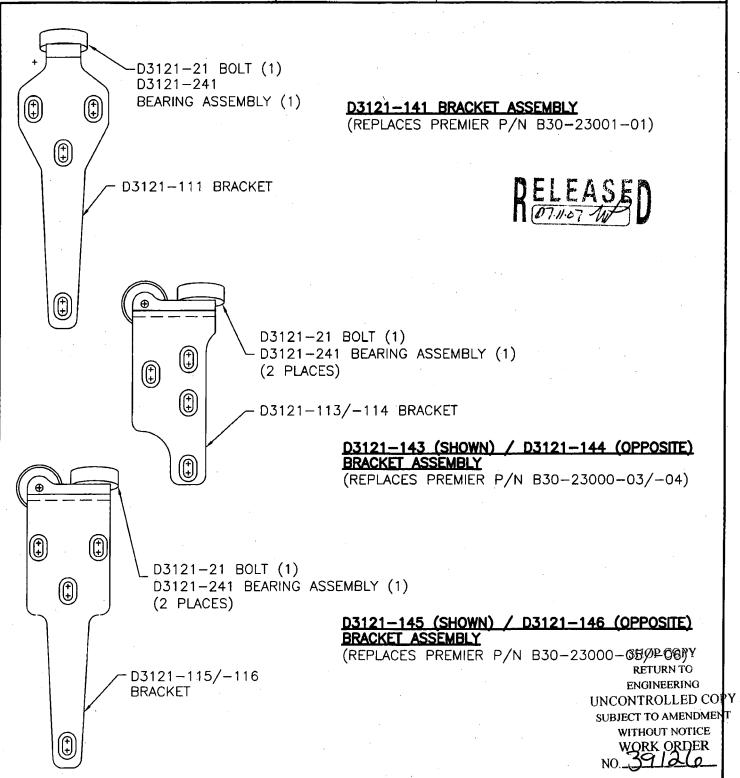
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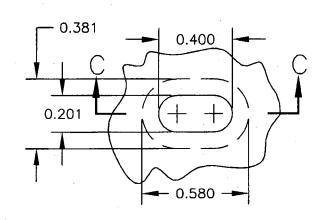
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07.11.07	•	BRACKET ASSEMBLY	1:2

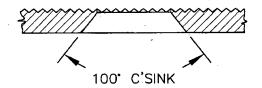




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07.11.07		BRACKET ASSEMBLY	1:1	

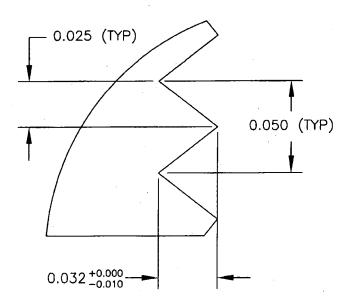
DETAIL A: SLOT DETAIL SCALE 2:1 VIEW ROTATED





SECTION C-C

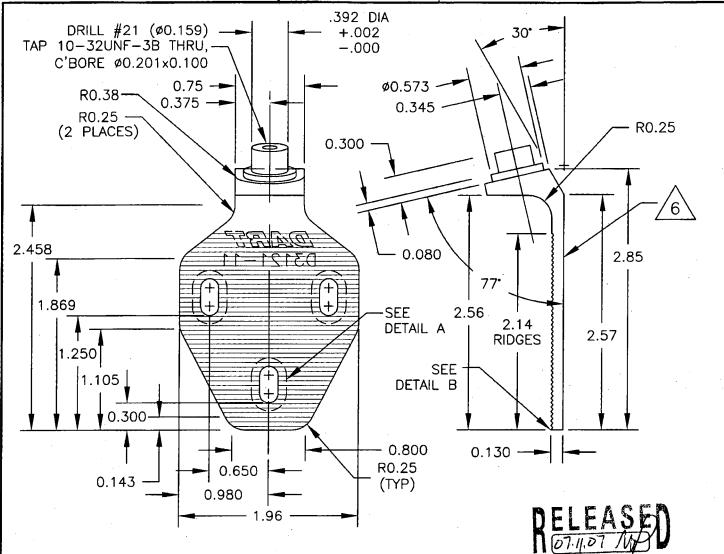
<u>DETAIL B:</u> RIDGE DETAIL PARTIAL SECTION SCALE 1:20



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DATE		TITLE	SCALE
07.11.07		BRACKET ASSEMB	ILY 1:1



D3121-11 BRACKET

1) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B) MIN ULTIMATE TENSILE = 150 ksi

MIN YIELD TENSILE = 100 ksi

2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

3) ALL DIMENSIONS ARE IN INCHES

4) BREAK ALL SHARP EDGES 0.005 TO 0.015

5) ENGRAVE DART P/N & LOGO AS SHOWN

6) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005

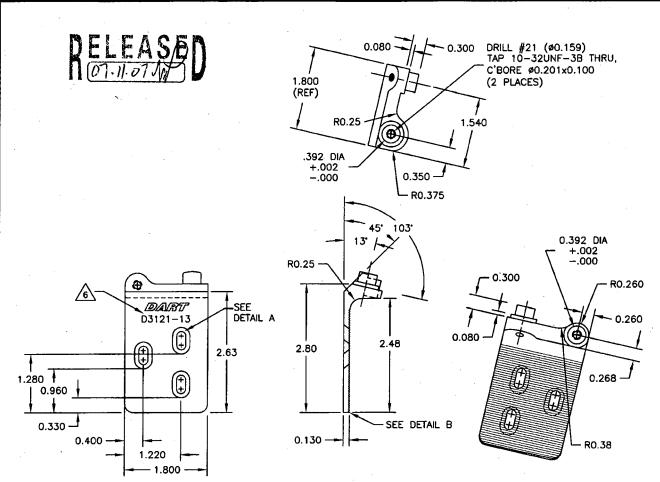
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DATE		TITLE	SCALE
07.11.07	·	BRACKET ASSEMBLY	1:2



D3121-13 BRACKET (SHOWN) D3121-14 BRACKET (OPPOSITE)

1) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B)

MIN ULTIMATE TENSILE STRENGTH = 150 ksi MIN YIELD TENSILE STRENGTH = 100 ksi

2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

3) ALL DIMENSIONS ARE IN INCHES

- 4) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 5) ENGRAVE DART P/N & LOGO AS SHOWN
- 6) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005

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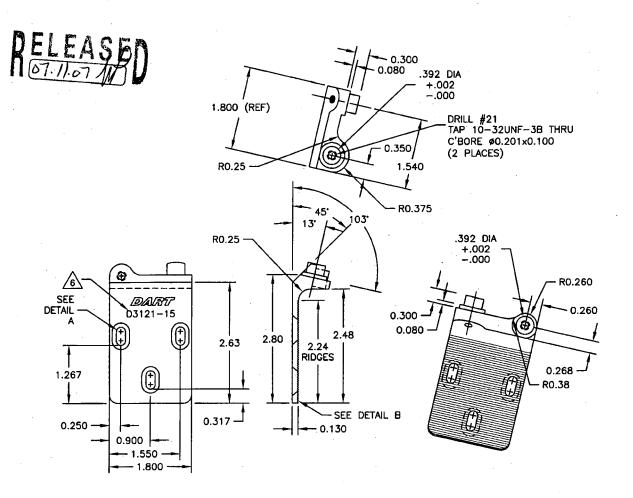
WORK ORDER

WORK ORDER NO 3926

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	DATE		TITLE	SCALE	
	07.11.07		BRACKET ASSEMBLY	1:2	



D3121-15 BRACKET (SHOWN) D3121-16 BRACKET (OPPOSITE)

1) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B)

MIN ULTIMATE TENSILE = 150 ksi MIN YIELD TENSILE = 100 ksi

2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

3) ALL DIMENSIONS ARE IN INCHES

4) BREAK ALL SHARP EDGES 0.005 TO 0.015

5) ENGRAVE DART P/N AND LOGO AS SHOWN

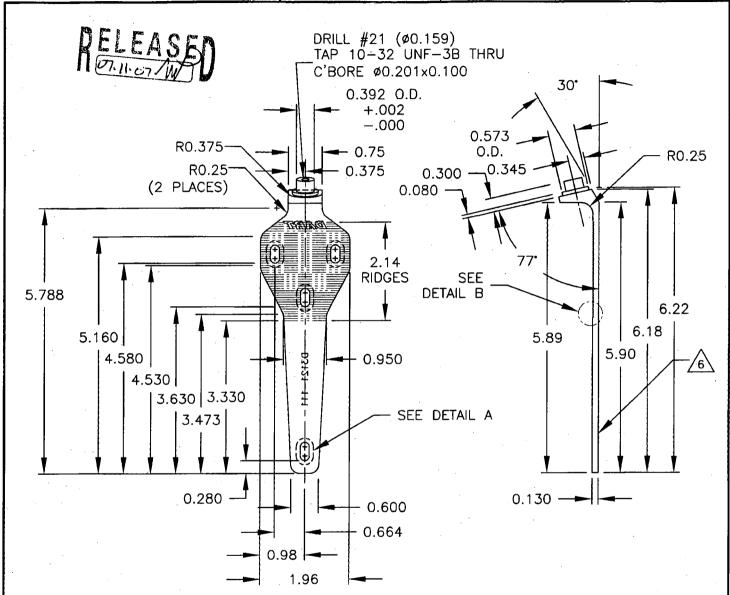
6) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005

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DATE	-1	TITLE	SCALE	
07.11.07		BRACKET ASSEMBLY	1:2	



D3121-111 BRACKET

1) REPLACES PREMIER P/N B32-23001-11

2) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B)

MIN ULTIMATE TENSILE = 150 ksi MIN YIELD TENSILE = 100 ksi

3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHEWISE NOTED

4) ALL DIMENSIONS ARE IN INCHES

5) BREAK ALL SHARP EDGES 0.005 TO 0.015

6) ENGRAVE DART P/N & LOGO IN AREAS SHOWN

7) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005

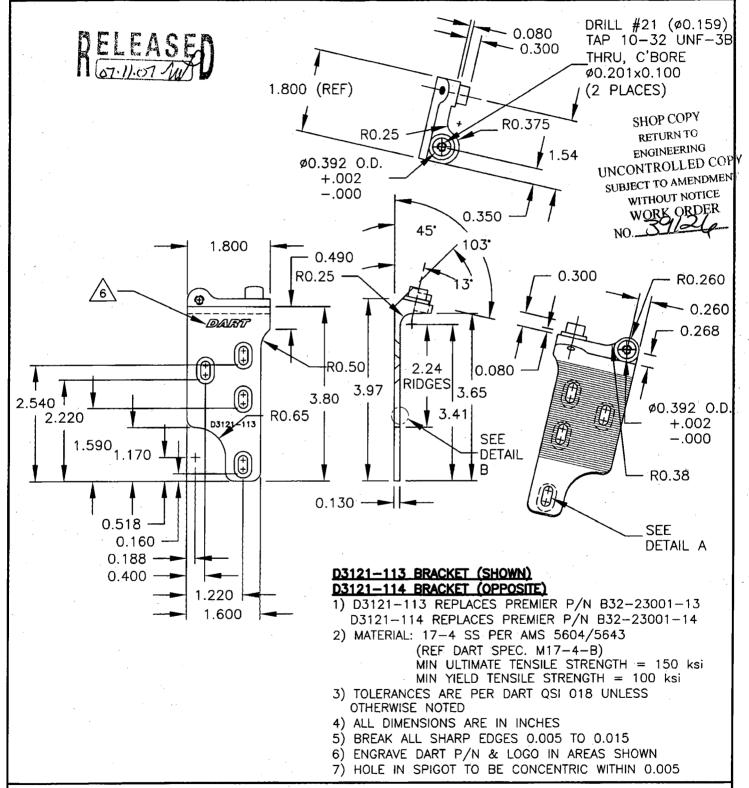
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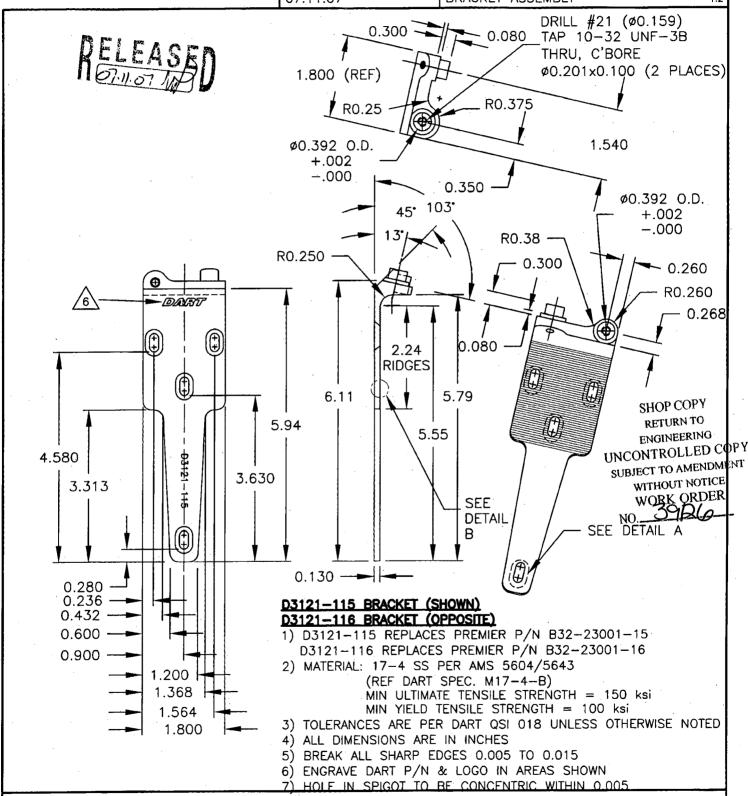


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DATE		TITLE	SCALE	
07.11.07		BRACKET ASSEMBLY	1:2	





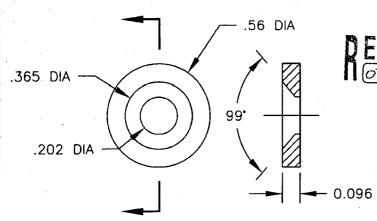
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	07.11.07		BRACKET ASSEMBLY	1:2	



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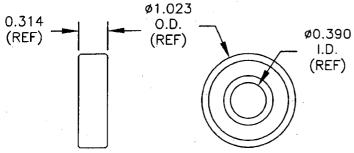


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DATE		TITLE	SCALE	
07.11.07		BRACKET ASSEMBLY	1:1	



D3121-17 WASHER (SCALE 2:1)

- 1) REPLACES PREMIER P/N B32-23001-17
- 2) MATERIAL: AISI 303 SS ROUND BAR, ANNEALED (REF DART SPEC. M303R)
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.015



D3121-19 BEARING (SCALE 1:1)

- 1) POSSIBLE SUPPLIER: KING BEARING P/N 6000-2ZJ/EM FAFNIR P/N 9100KDD
- 2) ALL DIMENSIONS ARE IN INCHES



D3121-23 BEARING (SCALE 1:1)

1) POSSIBLE SUPPLIER: SKF P/N 61900-2Z OR KML P/N 6900-ZZ

ALL DIMENSIONS ARE IN INCHES

0.080 0.050 TO 0.060

D3121-21 BOLT (SCALE 1:1)

- 1) MATERIAL: AISI 303 SS HEX, ANNEALED (REF DART SPEC. M303H0.500)
- 2) FINISH: NONE

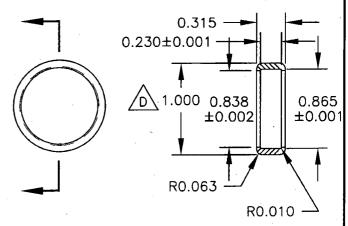
0.375

3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

TAP 10-32

UNF-3A

- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.015

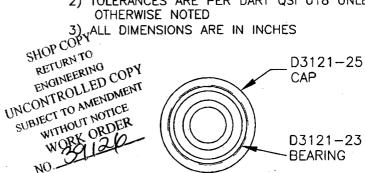


D3121-25 CAP (SCALE 1:1)

1) MATERIAL: DELRIN ROD, Ø1.25

(REF DART SPEC. M-DELRIN-R1.250)

2) TOLERANCES ARE PER DART QSI 018 UNLESS



D3121-241 BEARING ASSEBLY (SCALE 1:1)

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DEL FICENCE! etss-2501

mmm:dps:ca

386 MIIN 21 E' HUNKEERNUK' ONLUBIO KEU 108 (613) 635-9914

ORDER DATE: MAY 12, 2006

SENERAL BEARING SERVICE

HANKEBONK, ON: 1510, Abenden street 2010 to: Dar Neikopake Ltd.

CHID NION BUTE MUDE BA: DU

DUCKING STILL NOT 201622-0